

# WEST Search History

DATE: Tuesday, May 20, 2003

**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=USPT; PLUR=YES; OP=ADJ*

L8	L7 and maize	40	L8
L7	L6 and overlap	76	L7
L6	L5 and gus	319	L6
L5	L4 and (activator or ac)	1194	L5
L4	L3 and (ds or dissociation)	2000	L4
L3	L2 and transgenic	2020	L3
L2	homologous recombination and plant	3170	L2
L1	(recombination and plant) [ti]	4	L1

END OF SEARCH HISTORY

Connecting via Winsock to STN

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:55:45 ON 20 MAY 2003

=> file agricola caplus biosis

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'AGRICOLA' ENTERED AT 14:55:54 ON 20 MAY 2003

FILE 'CAPLUS' ENTERED AT 14:55:54 ON 20 MAY 2003

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FILE 'BIOSIS' ENTERED AT 14:55:54 ON 20 MAY 2003

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=> s homologous recombination and plant?

<-----User Break----->

SEARCH ENDED BY USER

L1 0 HOMOLOGOUS RECOMBINATION AND PLANT?

=> s homologous recombination and plant?

L2 1473 HOMOLOGOUS RECOMBINATION AND PLANT?

=> s l1 and transgenic

L3 0 L1 AND TRANSGENIC

=> s l2 and transgenic

L4 217 L2 AND TRANSGENIC

=> s l4 and transposase

L5 2 L4 AND TRANSPOSASE

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 2 DUP REM L5 (0 DUPLICATES REMOVED)

=> d 1-2 ti

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

TI Whole cell engineering by mutagenizing a substantial portion of a starting  
 genome and combining mutations with optional reiteration

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS  
TI Compositions and methods for targeted gene insertion

=> s l4 and (ds or dissociation)  
L7 4 L4 AND (DS OR DISSOCIATION)

=> dup rem l7  
PROCESSING COMPLETED FOR L7  
L8 3 DUP REM L7 (1 DUPLICATE REMOVED)

=> d 1-3 ti

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS  
TI Gene targeting methods and vectors for creating cells which have vector sequences integrated into host cell genome via site-specific homologous recombination

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS  
TI Compositions and methods for targeted gene insertion

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1  
TI The maize transposable element Ac induces recombination between the donor site and an homologous ectopic sequence

=> d a  
'A' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
APPS ----- AI, PRAI  
BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE  
PATS ----- PI, SO  
SAM ----- CC, SX, TI, ST, IT  
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
SCAN must be entered on the same line as the DISPLAY,  
e.g., D SCAN or DISPLAY SCAN)  
STD ----- BIB, IPC, and NCL  
  
IABS ----- ABS, indented with text labels  
IALL ----- ALL, indented with text labels  
IBIB ----- BIB, indented with text labels  
IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms  
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms  
HITRN ----- HIT RN and its text modification  
HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram  
HITSEQ ----- HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
its structure diagram  
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
KWIC ----- Hit term plus 20 words on either side  
OCC ----- Number of occurrence of hit term and field in which it occurs

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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

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'BAB' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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APPS ----- AI, PRAI  
BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE  
PATS ----- PI, SO  
SAM ----- CC, SX, TI, ST, IT  
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
SCAN must be entered on the same line as the DISPLAY,  
e.g., D SCAN or DISPLAY SCAN)  
STD ----- BIB, IPC, and NCL  
  
IABS ----- ABS, indented with text labels  
IALL ----- ALL, indented with text labels  
IBIB ----- BIB, indented with text labels  
IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations  
  
HIT ----- Fields containing hit terms  
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)

containing hit terms

HITRN ----- HIT RN and its text modification

HITSTR ----- HIT RN, its text modification, its CA index name, and its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields

FHITSTR ----- First HIT RN, its text modification, its CA index name, and its structure diagram

FHITSEQ ----- First HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields

KWIC ----- Hit term plus 20 words on either side

OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):ab

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

AB Methods and vectors are provided for the specific alteration of particular genetic loci in eukaryotic cells. One method includes the utilization of pos.-pos. selection (PPS) DNA vectors for the purpose of creating and identifying cells which have vector sequences integrated into the host cell genome via site-specific **homologous recombination**. The procedure also comprises the utilization of sequences encoding in vivo detectable markers for the identification of cells which have exogenous vector sequences integrated into the genome of the host cell, either via site-specific **homologous recombination** or nonhomologous recombination or insertion. A no. of selective agents may be utilized for the detection of pos. selectable marker presence within cells. These include kanamycin, hygromycin, bleomycin, histidinol, xanthine, hypoxanthine and fluorescent proteins. The invention also includes vectors for creating modifications in eukaryotic cells.

=> d pi

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003002725	A1	20030109	WO 2002-US20349	20020626
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003022218	A1	20030130	US 2002-185980	20020626

=> s l4 and recombination

L9 217 L4 AND RECOMBINATION

=> del 19 y

=> s 14 and (cre or flp)

L9 3 L4 AND (CRE OR FLP)

=> dup rem 19

PROCESSING COMPLETED FOR L9

L10 3 DUP REM L9 (0 DUPLICATES REMOVED)

=> d 1-3 ti

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Autonomously-replicating amplifiable vectors for transformation of **plant** cells and site-specific integration of transgenes

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Use of rice MLH1 gene in inhibition of DNA mismatch repair to generate hypermutable strains for **plant** breeding

L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Methods and compositions for genomic modification by site-specific integration

=> d ab

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

AB A method and vector for targeted integration of transgenes into a **plant** nuclear genome are described. The vector is capable of autonomous replication in **plant** cells and carries a gene of interest flanked by sites that direct integration by **homologous recombination** to a specific site. Replication of the integrating vector is regulated to allow selection for vector-free cells after the preliminary round of amplification to increase the probability of integration. The amplification may be regulated by using a foreign replication function under control of a regulatable promoter or on a non-replicating vector. Expts. describing the development of a transformation system based on bean golden mosaic virus vector are reported.

=> d pi

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002077246	A2	20021003	WO 2002-EP3266	20020322
PI				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10114209	A1	20021205	DE 2001-10114209	20010323

=> s 14 and overlap

L11 0 L4 AND OVERLAP

=> s 14 and gus

L12 16 L4 AND GUS

=> dup rem l12

PROCESSING COMPLETED FOR L12

L13 9 DUP REM L12 (7 DUPLICATES REMOVED)

=> d 1-9 ti

L13 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Method for transforming gene into **plant** without any selective marker

L13 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1

TI A sensitive **transgenic plant** system to detect toxic inorganic compounds in the environment

L13 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 2

TI Enhanced **homologous recombination** caused by the non-transcribed spacer of the rDNA in Arabidopsis

L13 ANSWER 4 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) DUPLICATE 3

TI Meiotic stability of transgene expression is unaffected by flanking matrix-associated regions.

L13 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 4

TI The maize transposable element Ac induces recombination between the donor site and an homologous ectopic sequence

L13 ANSWER 6 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) DUPLICATE 5

TI Gene targeting and instability of Agrobacterium T-DNA loci in the **plant** genome.

L13 ANSWER 7 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)

TI Development of a binary vector system for **plant** transformation based on the supervirulent Agrobacterium tumefaciens strain Chry5.

L13 ANSWER 8 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)

TI Enhancement of somatic intrachromosomal **homologous recombination** in Arabidopsis by the HO endonuclease.

L13 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Method of transforming **plant** and vector therefor

=> d ab

L13 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS

AB The method for transforming exogenous gene into **plant** without any selective marker is presented. The method uses conserved 5' or 3' regulatory of **plant** gene, such as CAAT box or TATA box or transcription terminator site at the both ends of target exogenous gene. The transgene is expected to be integrated into the host genome by



homologous recombination mediated by these conserved regulatory elements and screened by subsequent PCR selection using target gene specific primers. The exemplary DNA fragment for phytase AII gene (phyAII), "5'-CAATbox-TATABox-CaMV35S-phyAII-GUS-Nos-Term-3'" is constructed and tested in corn transformation.

=> d pi

L13	ANSWER 1 OF 9	CAPLUS	COPYRIGHT 2003	ACS		
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
	-----	----	-----	-----	-----	
PI	CN 1356389	A	20020703	CN 2000-123382	20001208	